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L1	149	(726/8).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/12 13:40
L2	288	(726/7).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/12 13:57
L3	77	(automation with device) and (usage with device) and network and storage and (usage with information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 13:58
L4	8	L3 and @ad<"20000208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 14:27
L5	134	device near5 usage same verif$7 same stor$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 13:59
L6	23	L5 and @ad<"20000208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 14:19
L7	1	printer same (usage adj information) same verif$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 14:00
L10	20	verif$7 same (user near3 information) same stor$3 same usage same compar$3 same user	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 14:18
L11	10	L10 and @ad<"20000208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 14:19

L13	0	usage with acquistion with record with compar$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 14:28

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1   Fast detection of communication patterns in distributed executions
Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies or**
Publisher: IBM Press
Full text available: 🔲 pdf(4.21 MB)   Additional Information: full citation, abstract, references, ir

> Understanding distributed applications is a tedious and difficult task. Visualizations based on pri
> better understanding of the execution of the application. The visualization tool we use is Poet, a
> Waterloo. However, these diagrams are often very complex and do not provide the user with th
> experience, such tools display repeated occurrences of non-trivial commun ...

2   IS '97: model curriculum and guidelines for undergraduate degree programs in information
Gordon B. Davis, John T. Gorgone, J. Daniel Couger, David L. Feinstein, Herbert E. Longenecker
December 1996 **ACM SIGMIS Database , Guidelines for undergraduate degree programs or**
                undergraduate degree programs in information systems IS '97, Volume 28 Iss
Publisher: ACM Press
Full text available: 🔲 pdf(7.24 MB)   Additional Information: full citation, citings

3   Charles W. Bachman interview: September 25-26, 2004; Tucson, Arizona
Thomas Haigh
January 2006   **ACM Oral History interviews**
Publisher: ACM Press
Full text available: 🔲 pdf(761.66 KB)   Additional Information: full citation, abstract

> Charles W. Bachman reviews his career. Born during 1924 in Kansas, Bachman attended high s
> the Army Anti Aircraft Artillery Corp, with which he spent two years in the Southwest Pacific Thi
> from the military, Bachman earned a B.Sc. in Mechanical Engineering in 1948, followed immedi.
> the University of Pennsylvania. On graduation, he went to work for Do ...

4   Computing curricula 2001
September 2001 **Journal on Educational Resources in Computing (JERIC)**
Publisher: ACM Press
Full text available: 🔲 pdf(613.63 KB) 🔲 html(2.78 KB)   Additional Information: full citation, references, citings, ind

5 Special issue: AI in engineering

D. Sriram, R. Joobbani
April 1985   **ACM SIGART Bulletin**, Issue 92

Publisher: ACM Press

Full text available: pdf(8.79 MB)   Additional Information: full citation, abstract

> The papers in this special issue were compiled from responses to the announcement in the July
> notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty |
> half the papers were received over the computer network.

6 Exploiting perception in high-fidelity virtual environments: Exploiting perception in high-fide

Additional presentations from the 24th course are available on the citation page

Mashhuda Glencross, Alan G. Chalmers, Ming C. Lin, Miguel A. Otaduy, Diego Gutierrez
July 2006   **ACM SIGGRAPH 2006 Courses SIGGRAPH '06**

Publisher: ACM Press

Full text available: pdf(5.07 MB) mov(68:6 MIN)   Additional Information: full citation, abstract, references

> The objective of this course is to provide an introduction to the issues that must be considered
> virtual environments. The principles of human perception guide important development of algor
> graphical, auditory, and haptic rendering. We aim to show how human perception is exploited t
> within the constraints of available finite computational resources.In this course w ...
>
> **Keywords**: collaborative environments, haptics, high-fidelity rendering, human-computer inter
> perception, virtual reality

7 Technical reports

SIGACT News Staff
January 1980 **ACM SIGACT News**, Volume 12 Issue 1

Publisher: ACM Press

Full text available: pdf(5.28 MB)   Additional Information: full citation

8 Selected IR-related dissertation abstracts

Susanne M. Humphrey
September 1989 **ACM SIGIR Forum**, Volume 24 Issue 1-2

Publisher: ACM Press

Full text available: pdf(3.70 MB)   Additional Information: full citation

9 GPGPU: general purpose computation on graphics hardware

David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ian Buck, Cliff Woolley, A;
August 2004   **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**

Publisher: ACM Press

Full text available: pdf(63.03 MB)   Additional Information: full citation, abstract, citings

> The graphics processor (GPU) on today's commodity video cards has evolved into an extremely
> graphics architectures provide tremendous memory bandwidth and computational horsepower,
> processing units that support vector operations up to full IEEE floating point precision. High lev
> hardware, making this computational power accessible. Architecturally, GPUs are highly parallel

10

Applications on the go: MediaAlert - a broadcast video monitoring and alerting system for i

Bin Wei, Bernard Renger, Yih-Farn Chen, Rittwik Jana, Huale Huang, Lee Begeja, David Gibbon, Zh
June 2005   **Proceedings of the 3rd international conference on Mobile systems, applic**
Publisher: ACM Press
Full text available: pdf(593.10 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>c</u>

We present a system for automatic monitoring and timely dissemination of multimedia informat
appliances based on each user's interest profile. Multimedia processing algorithms detect and is
twenty television broadcast programs based on a collection or words and phrases specified by t
then used to convert the information into a form that is suitable for delivery to the user's mobi

Keywords: alerting, automatic speech recognition (ASR), content adaptation, content repurpos
multimedia processing, news monitoring, notification, service platform

11 <u>Level II technical support in a distributed computing environment</u>
Tim Leehane
September 1996 **Proceedings of the 24th annual ACM SIGUCCS conference on User service**
Publisher: ACM Press
Full text available: pdf(5.73 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>index term</u>

12 <u>Embedded web papers: An environment for collaborative content acquisition and editing b</u>
Yutaka Kidawara, Tomoyuki Uchiyama, Katsumi Tanaka
May 2005   **Special interest tracks and posters of the 14th international conference or**
Publisher: ACM Press
Full text available: pdf(1.53 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>ir</u>

Digital content is not only stored by servers on the Internet, but also on various embedded dev
paper, we propose a content processing mechanism for use in an environment enabling collaboi
in real-world situations. We have developed a network management device that makes it possil
coordinated ubiquitous devices. The management device actively configures a network that in .

Keywords: RFID, embedded content, functional web, multiple device operating, ubiquitous cor

13 <u>Self-configuring localization systems: Design and Experimental Evaluation</u>
Nirupama Bulusu, John Heidemann, Deborah Estrin, Tommy Tran
February 2004   **ACM Transactions on Embedded Computing Systems (TECS)**, Volume 3 Issue 1
Publisher: ACM Press
Full text available: pdf(261.39 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>c</u>

Embedded networked sensors promise to revolutionize the way we interact with our physical er
deployable and energy-efficient node localization/positioning.This paper describes the motivatio
evaluation (on sharply resource-constrained devices) of a *self-configuring* localization system u:
as an important parameter in determining localization quality, which sat ...

Keywords: Location, localization, self-configuration, sensor networks

14 <u>Client-server computing</u>
Alok Sinha
July 1992 **Communications of the ACM**, Volume 35 Issue 7
Publisher: ACM Press
Full text available: pdf(7.53 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>,
<u>review</u>

Keywords: client-server computing

15 An open-source CVE for programming education: a case study: An open-source CVE for p

Andrew M. Phelps, Christopher A. Egert, Kevin J. Bierre, David M. Parks

July 2005   **ACM SIGGRAPH 2005 Courses SIGGRAPH '05**

Publisher: ACM Press

Full text available: pdf(7.92 MB)   Additional Information: full citation, references

16 Extracting usability information from user interface events

David M. Hilbert, David F. Redmiles

December 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 4

Publisher: ACM Press

Full text available: pdf(1.50 MB)   Additional Information: full citation, abstract, references, c

Modern window-based user interface systems generate user interface events as natural product
events can be automatically captured and because they indicate user behavior with respect to a
been regarded as a potentially fruitful source of information regarding application usage and us
are typically voluminos and rich in detail, automated support is generally ...

Keywords: human-computer interaction, sequential data analysis, usability testing, user interf

17 UIO: a uniform I/O system interface for distributed systems

David R. Cheriton

January 1987   **ACM Transactions on Computer Systems (TOCS)**, Volume 5 Issue 1

Publisher: ACM Press

Full text available: pdf(3.20 MB)   Additional Information: full citation, abstract, references, c

A uniform I/O interface allows programs to be written relatively independently of specific I/O se
I/O services available in a distributed environment. Ideally, the interface provides this uniform
interface or loss of performance. However, a uniform interface does not arise from careful desic
requires explicit definition. In this paper, the UIO (unifo ...

18 DRM experience: Digital rights management in a 3G mobile phone and beyond

Thomas S. Messerges, Ezzat A. Dabbish

October 2003   **Proceedings of the 3rd ACM workshop on Digital rights management DRM**

Publisher: ACM Press

Full text available: pdf(306.59 KB)   Additional Information: full citation, abstract, references, c

In this paper we examine how copyright protection of digital items can be securely managed in
the basic concepts, strategies, and requirements for digital rights management are reviewed. N
in the embedded environment of a mobile phone is proposed and the elements in this system a
this system are described and a novel "Family Domain" approach to content management ...

Keywords: MPEG-21, copyright protection, cryptography, digital content, digital rights manage
mobile phone, open mobile alliance, security

19 Computer Communication Networks: Approaches, Objectives, and Performance Consider.

Stephen R. Kimbleton, G. Michael Schneider

September 1975 **ACM Computing Surveys (CSUR)**, Volume 7 Issue 3

Publisher: ACM Press
Full text available: pdf(3.99 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>ind</u>

20 <u>Mobile devices: m-LOMA - a mobile 3D city map</u>
Antti Nurminen
April 2006   **Proceedings of the eleventh international conference on 3D web technolo**
Publisher: ACM Press
Full text available: pdf(458.46 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>ir</u>

    m-LOMA, mobile LOcation-Aware Messaging Application, is designed to be a mobile portal to loc
perform textual searches to location-based content, navigate using 2D maps assisted by a GPS,
recognize the environment from a 3D map. The 3D map view is the key feature of the m-LOMA
rendering photorealistic 3D city models with augmented location-based information in a ...

    Keywords: 3D graphics, 3D maps, GIS, VRML, mobile computing, mobile guides, visibility

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